

# DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **METHOD OF REDUCING OXIDATION OF METAL STRUCTURES USING ION IMPLANTATION, AND DEVICE FORMED BY SUCH METHOD**, the Specification of which:

☒ is attached hereto.  
☐ was filed on                      as Application Serial No.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent, United States provisional application(s), or inventor's certificate listed below and have also identified below any foreign application for patent, United States provisional application, or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIORITY APPLICATION(S)			Priority Claimed
(Number)	(Country)	(Date Filed)	Yes/No
(Number)	(Country)	(Date Filed)	Yes/No

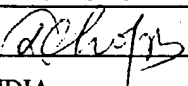
I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56, which become available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
(Application Serial No.)	(Filing Date)	(Status)

I hereby direct that all correspondence and telephone calls be addressed to J. Mike Amerson, Williams, Morgan & Amerson, P.C., 7676 Hillmont, Suite 250, Houston, Texas 77040, (713) 934-7000.

I HEREBY DECLARE THAT ALL STATEMENTS MADE OF MY OWN KNOWLEDGE ARE TRUE AND THAT ALL STATEMENTS MADE ON INFORMATION AND BELIEF ARE BELIEVED TO BE TRUE; AND FURTHER THAT THESE STATEMENTS WERE MADE WITH THE KNOWLEDGE THAT WILLFUL FALSE STATEMENTS AND THE LIKE SO MADE ARE PUNISHABLE BY FINE OR IMPRISONMENT, OR BOTH, UNDER SECTION 1001 OF TITLE 18 OF THE UNITED STATES CODE AND THAT SUCH WILLFUL FALSE STATEMENTS MAY JEOPARDIZE THE VALIDITY OF THE APPLICATION OR ANY PATENT ISSUED THEREON.

Inventor's Full Name: DINESH CHOPRA

Inventor's Signature: 

Country of Citizenship: INDIA Date: 8/26/02

Residence Address: (street, number, city, state, and/or country) 2832 EAST RED FIR COURT  
BOISE, IDAHO 83716

Post Office Address: Same  
(if different from above)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	§	
DINESH CHOPRA	§	
	§	Examiner: Unknown
Serial No.: Unknown	§	
	§	Group Art Unit: Unknown
Filed: Concurrently Herewith	§	
	§	Att'y Docket: 2008.006300/02-0700.00
For: METHOD OF REDUCING OXIDATION	§	
OF METAL STRUCTURES USING ION	§	
IMPLANTATION, AND DEVICE	§	
FORMED BY SUCH METHOD	§	

**ELECTION UNDER 37 C.F.R. §§ 3.71 AND 3.73**  
**AND POWER OF ATTORNEY**

Assistant Commissioner for Patents  
 Washington, D.C. 20231

Sir:

The undersigned, being Assignee of record of the entire interest in the above-identified application by virtue of an assignment recorded in the United States Patent and Trademark Office as set forth below, hereby elects, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventors.

The Assignee hereby revokes any previous Powers of Attorney and appoints:

Michael L. Lynch, Reg. No. 30,871; Lia M. Pappas, Reg. No. 34,095; and W. Eric Webstad, Reg. No. 35,406; of Micron Technology, Inc.; and

Danny L. Williams, Reg. No. 31,892; Terry D. Morgan, Reg. No. 31,181; J. Mike Amerson, Reg. No. 35,426; Kenneth D. Goodman, Reg. No. 30,460; Jeffrey A. Pyle, Reg. No. 34,904; Jaison C. John, Reg. No. 50,737; Ruben S. Bains, Reg. No. 46,532; Steven Koon Hon Wong, Reg. No. 48,459; Scott F. Diring, Reg. No. 35,119; George J. Oehling, Reg. No. 40,471; Shelley P.M. Fussey, Reg. No. 39,458; Mark D. Moore, Reg. No. 42,903; Louis H. Iselin, Reg. No. 42,684; Raymund F. Eich, Reg. No. 42,508; Daren C. Davis, Reg. No. 38,425; and Stephanie A. Wardwell, Reg. No. 48,025;

as its attorney or agent for so long as they remain with such firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive

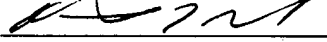
any Letters Patent, and for one year after issuance of such Letters Patent to file any request for a certificate of correction that may be deemed appropriate.

Pursuant to 37 C.F.R. § 3.73, the undersigned has reviewed the evidentiary documents, specifically the Assignment to Micron Technology, Inc., referenced below, and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

Please direct all communications as follows:

J. Mike Amerson  
WILLIAMS, MORGAN & AMERSON, P.C.  
7676 Hillmont, Suite 250  
Houston, Texas 77040  
(713) 934-4055

ASSIGNEE:  
MICRON TECHNOLOGY, INC.

By:   
Michael L. Lynch  
Chief Patent Counsel

Date: 8-27-02

ASSIGNMENT:

- ☒ Concurrently filed  
☐ Previously recorded

Date: \_\_\_\_\_  
Reel: \_\_\_\_\_  
Frame: \_\_\_\_\_



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

NOVEMBER 13, 2002

WILLIAMS, MORGAN & AMERSON, P.C.

J. MIKE AMERSON

7676 HILLMONT, SUITE 250

HOUSTON, TEXAS 77040

PTAS

WILLIAMS, MORGAN & AMERSON

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov



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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/28/2002.

REEL/FRAME: 013238/0479

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHOPRA, DINESH

DOC DATE: 08/26/2002

ASSIGNEE:

MICRON TECHNOLOGY, INC.  
8000 S. FEDERAL WAY  
BOISE, IDAHO 83706

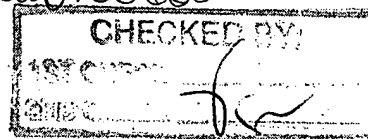
SERIAL NUMBER: 10229457

FILING DATE: 08/28/2002

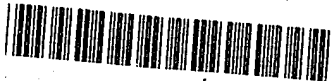
PATENT NUMBER:

ISSUE DATE:

DOROTHY RILEY, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



09-04-2002



## RECORDATION FORM COVER SHEET

U.S. Department of Commerce

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ON

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## PATENTS ONLY

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying parties:

**Dinesh Chopra**Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other

Execution Date: **August 26, 2002**

2. Name and address of receiving party(ies):

Name: **Micron Technology, Inc.**

Internal Address:

Street Address: **8000 S. Federal Way**City: **Boise** State: **ID** Zip: **83706**Additional name(s) & address(es) attached? ☐ Yes ☒ No4. Application number(s) or registration number(s): **NEW APPLICATION**If this document is being filed together with a new application, the execution date of the application is: **August 26, 2002**

A. Patent Application No.(s):

N/A

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **J. Mike Amerson**  
**Williams, Morgan & Amerson, P.C.**  
**7676 Hillmont, Suite 250**City: **Houston** State: **Texas** Zip: **77040**6. Total number of applications and patents involved: **1**7. Total fee (37 C.F.R. 3.41) \$ **40.00**☒ Enclosed☒ Authorized to be charged to deposit account if fee is missing or insufficient

8. Deposit account number: 50-0786/2008.006300

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

**J. Mike Amerson**

Name of Person Signing, Reg. No. 35,426

Signature

**08/28/02**

Date

Total number of pages including cover sheet, attachments and documents: **2**

## EXPRESS MAIL RECEIPT

NUMBER: **EL 798 367 949 US**DATE OF DEPOSIT: **AUGUST 28, 2002**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, DC 20231.

Signature

08/30/2002 DLY111 00000009 10229457

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 10/22/95  
 08/28/02

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to MICRON TECHNOLOGY, INC. (the "Assignee"), a corporation of Delaware, having a place of business at 8000 S. Federal Way, Boise, Idaho 83706, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "METHOD OF REDUCING OXIDATION OF METAL STRUCTURES USING ION IMPLANTATION, AND DEVICE FORMED BY SUCH METHOD" such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: \_\_\_\_\_

Name: DINESH CHOPRA

Date: \_\_\_\_\_

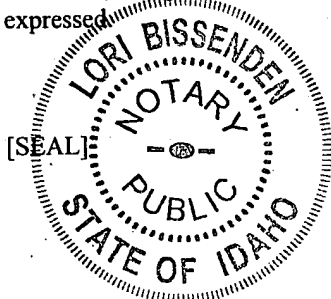
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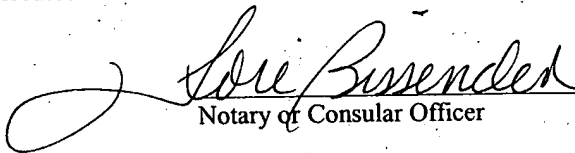
STATE OF IDAHO )

COUNTY OF Ada )

) ss.

BEFORE ME, the undersigned authority, on this 26<sup>th</sup> day of August, 2002, personally appeared DINESH CHOPRA, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



  
Notary or Consular Officer